

## ABSTRACT OF THE DISCLOSURE

Disclosed is a method for performing integrity monitoring in the absence of redundant ranging measurements from a first ranging source type by using ranging measurements from a second ranging source type, wherein a ranging source type corresponds to a class of ranging sources and a ranging source is a transmitter source emitting a signal that can be used by a receiver to obtain ranging information indicating a range or distance between the transmitter source and receiver. In an embodiment, weighted ridge regression techniques are used enhance integrity monitoring.